Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-026001	Application No	
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			U.S. Pate	ent Documents		······	
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentiee	Class	Subclass	Filing Date If Appropriate
TD	AA	6,775,216	08/10/04	Kelly et al.			
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-026001	Application No. 09/718,155	
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	•			U.S. Pate	ent Documents			
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E		AA	5,212,678	05/18/93	Roth et al.	·	HE(EIVED
JC18		AB .	5,463,607	10/31/95	Roth et al.		APR	1 7 2001
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KL	AF	3-228266	10/09/91	Japan			X	
14	AG	2-226066	09/05/90	Japan			х	
KL	AH	2000-40302	02/08/00	Japan			х	
KL	AI	10-49990	02/20/98	Japan			X	
KL	AJ	10-63433	03/06/98	Japan			х	
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45. HOOVER 10/04/01 Sheet _1_ of _1_ Substitute Form PTQ-1449 (Modified) 49 2 8 2001 Payer and Trademark Office Attorney's Docket No. Application No. 10449-026001 09/718,155 Information Disclosure Statement Applicant Koji Hayashi Filing Date **Group Art Unit** November 21, 2000

	U.S. Patent Documents									
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate			
KL	AA	5,212,678	05/18/93	Roth et al.						
KL	AB	5,463,607	10/31/95	Roth et al.			-			
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Substitute Form PTO-1449 (Modified)	U.S. Department of Gemmerce Patent and Tradestrate Office	Attorney's Docket No. 10449-026001	Application No. 09/718,155
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U.S. Patent Documents									
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate		
W/	AA	5,220,545	06/15/1993	Tomimitsu					
KL	AB	5,289,440	02/22/1994	Bakx		08S тэлгэЭ ү	Rominal		
KL	AC	5,436,875	07/25/1995	Shinada		Oac someon.	- Tolondari		
KL	ÁD	5,491,677	02/13/1996	Sasaki.		S 2002	AAM		
KL	AE	5,532,991	07/02/1996	Sasaki.		EINED	OBR		
KL	AF	5,745,445	04/28/1998	Yasukohchi et al.		4			
KL	AG	5,815,472	09/29/1998	Kuroda et al					
KL	AH	5,818,801	10/06/1998	Watanabe et al.					
KL	ΑI	5,953,291	09/14/1999	Yasukohchi et al.					
KU	AJ	6,055,216	04/25/2000	Shintani		·			
KL	AK	6,115,337	09/05/2000	Takagi et al.					

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			U.S. Pate	ent Documents			
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
n	AA	4,507,767	03/26/85	Takasugi			
KL	AB	4,546,462	10/08/85	Koishi et al.		RECEIV	ED
KL	AC	4,800,548	01/24/89	Koishi et al.		JUL 2 4	
KL	AD	4,831,611	05/16/89	Sasaki et al.		1	
KL	AE	4,858,219	08/15/89	Yoshikawa	Te	Chnology Cet	ter 2600
KL	AF	5,161,144	11/03/92	Takeuchi et al.			
KL	AG	5,170,389	12/08/92	Numata et al.			
M	AH	5,521,893	05/28/96	Yamasaki et al.			
KL	AI	5,682,366	10/28/97	Yamanaka et al.			

Foreign Patent Documents or Published Foreign Patent Applications										
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U.S. Patent Documents							
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KL	AL	1998-028125	15.07.98	Korea				
K	AM	1999-024893	06.04.99	Korea				
KL	AN	63-52393	05.03.88	Japan				
KI	AO	H11-66745	09.03.99	Japan				
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)					
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	Substitute Disclosure Form (PTO-1449)

Substitute Form RTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

Attorney's Docket No. Application No. 10449-026001 09/718,155

Applicant '

Koji Hayashi

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Group Art Unit

	U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
KL	AA	5,305,298	04/19/1994	Tsuneshi Yokota				
KL	AB	5,910,935	06/08/1999	Hirihito Takagi et al.		חר		
M	AC	6,208,599	03/27/2001	Misao Fukuda		חבנ	EIVED	
KL	AD	6,438,083	08/20/2002	Jacobus P.C. Kroon		API	R 0 3 2003	
K	AE	6,487,616	11/26/2002	Koji Hayashi		Technolo	gy Center 260	
·	AF						99-001101 2001	
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	Foreign Patent Documents or Published Foreign Patent Applications							
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L	AL	11-259982	24.09.1999	Japan		!		
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Modified Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-026001	Application No. 09/718,155	
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KL	AA	6,084,731	Jul. 4, 2000	Uchida et al.			
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Substitute Form PTO-1449 (Modified)			Application No. 09/718,155	
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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
TD	AA	6,992,957	01/31/06	Hayashi et al.			
V	AB	7,099,246	08/29/06	Hayashi et al.			
TD	AC	7,106,675	09/12/06	Hayashi	V		
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				nt Documents				
Examiner Initial	Desig.	Document Number	Publication Date	Patentee	Class	Subclass	Filing If Appro	
	AA	1,860,272	08/22/89	Nishikawa et al.				
	AB	6,715,211	08/10/04	Tsukihashi				
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